



**Commonwealth Edison**  
72 West Adams Street, Chicago, Illinois  
Address Reply to: Post Office Box 767  
Chicago, Illinois 60690

EPA Region 5 Records Ctr.



303277

July 1, 1982

Mr. Bernard Rosenberg  
Frank Rosenberg, Inc.  
P.O. Box 519  
Pekin, Illinois 61554

Dear Mr. Rosenberg:

In accordance with our agreement to supply you with data obtained from the well installed on your property, we hereby tabulate the following data.

The monitoring well was sampled by A.D. Little personnel on April 20, 1982. Randolph and Associates received an identical sample at that time. Water chemistry data tabulated below is that which we recieved from Randolph and Associates recently. We have yet to receive data directly from A.D. Little for the April 20th date.

Groundwater Monitoring Well  
Installed November 12, 1981  
Sampled April 20, 1982  
Analysis By: Randolph and Associates

<u>Parameter</u>	<u>Concentration (mg/l)</u>
Chloride	22.3
Sulfate	294
Antimony	<0.004
Arsenic	<0.004
Boron	14.9
Calcium	123
Cadmium	<0.001
Chromium	<0.01
Iron	0.064
Lead	0.001
Magnesium	50.5
Mercury	<0.0002
Nickel	0.031
Selenium	<0.005
Zinc	0.020
Type of Monitoring Point	Well
Stick Up (from top of end)	2.6
Depth of Water	5.9½
Temperature	13
Sampling Method	Pump
Sample Appearance	Muddy
pH (field)	7.4
Conductivity (field)	1240
Dissolved Oxygen (field)	4.9
Sampled by	ADL

The following data was supplied to us recently by A. D. Little and consists primarily of physical tests done on soil samples obtained when the well was installed in November, 1981.

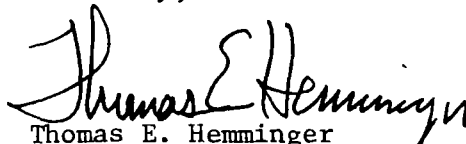
<u>Sampled Depth (feet)</u>	<u>Moisture Content (%)</u>
0.0 - 2.0	23.1
2.0 - 4.0	26.1
4.0 - 6.0	26.8
6.0 - 8.0	29.6
8.0 - 10.0	23.0
10.0 - 12.0	25.0
12.0 - 14.0	15.8
14.0 - 16.0	25.6
16.0 - 18.0	0.3
18.0 - 20.0	9.3
20.0 - 22.0	12.6
22.0 - 24.0	9.0
30.0 - 32.0	1.8
35.0 - 37.0	15.1
45.0 - 47.0	14.4
66.5 - 68.5	16.4

Physical Description of Subsurface Strata

Sample Depth	6.0'-8.0'	22.0'-24.0'
Classification	"SC" Clayey "SAND"	"SP" Poorly Graded "SAND"
Natural % Moisture	23.6	7.9
Liquid Limit	26	Visually
Plastic Limit	15	Non
Plasticity Index	11	Plastic
Color	Gray/Brown	Brown

If you require further explanation, do not hesitate to contact Mr. David Rubner of my staff at 312/294-4455.

Sincerely,

  
Thomas E. Hemminger  
Director of Water Quality

DPR:TEH:pp